

Method for the genetic modification of organisms of the  
Blakeslea genus, corresponding organisms and use of the  
same

5

Abstract

The invention relates to a method for producing a genetically modified organism of the *Blakeslea* genus, which method comprises the following steps

10 (i) transformation of at least one of the cells,

15 (ii) optional homokaryotic conversion of the cells obtained in step (i) to produce cells, in which one or more genetic characteristics of the nuclei are all modified in an identical manner and said modification manifests itself in the cells, and

(iii) selection and cultivation of the genetically modified cell or cells.